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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/752,394	01/06/2004	Seon-Mi Kim	678-1126 (P10667)	3576

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DILWORTH & BARRESE, LLP  
333 EARLE OVINGTON BLVD.  
UNIONDALE, NY 11553

EXAMINER

MEHRPOUR, NAGHMEH

ART UNIT PAPER NUMBER

2617

DATE MAILED: 07/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.	Applicant(s)	
10/752,394	KIM, SEON-MI	
Examiner	Art Unit	
Naghmeh Mehrpour	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on 27 December 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) 6-10 is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-5, 11-19, are rejected under 35 U.S.C. 102(e) as being anticipated by Kim et al. (US Publication 2004/0121802 A1).

Regarding claims 1, 11, 15, Kim teaches a multi-functional mobile terminal providing a phone function, comprising:

a power-supply unit for selectively providing a power-supply signal to a corresponding module according to a power-supply entry signal (col 2 lines 0024);

a personal information terminal module including a first display for controlling the first display to display status information of an executed operation according to an entry command using a power-supply signal received from the power-supply unit (007-0008, 0030);

a mobile terminal module including a second display for executing a corresponding operation according to a prescribed command after receiving the prescribed command from the personal information terminal module using a

power-supply signal received from the power-supply unit, and displaying operation status information on the first display when the personal information terminal module is in a powered-on state, and displaying the operating status information on the second display when the personal information terminal module is in a powered-off state (0007-0008, 0034); and  
a module selector for controlling a power-supply operation of the power-supply unit to selectively provide the power-supply signal to at least one of the personal information terminal module and the mobile terminal module(0031-0037).

Regarding claims 2, 12, 16, Kim teaches a multi-functional mobile terminal as set forth in claim 1, wherein the mobile terminal module transmits update data created by operations of the mobile terminal module while the personal information module is in a powered-off state, to the personal information module in order to be stored therein, when the personal information module is powered on (0031, 0034-0035).

Regarding claim 3, Kim inherently teaches a multi-functional mobile terminal as set forth in claim 6, wherein the mobile terminal module includes a command entry section for entering a prescribed command to independently operate the mobile terminal module when the personal information terminal module is in a powered-off state, and if the command entry section is selected, then the mobile terminal module displays operation status information of the mobile terminal module on the display according to a command signal selected by the command entry section (0028-0031).

Regarding claims 4, 13, 17, Kim teaches a multi-functional mobile terminal as set forth in claim 1, wherein the personal information terminal module is a PDA (Personal Digital Assistant) module (0020).

Regarding claims 5, 14, 18, Kim teaches a multi-functional mobile terminal as set forth in claim 1, wherein the mobile terminal module is a mobile phone module (0020).

Regarding claim 19, Kim teaches a multi-functional mobile terminal as set forth in claim 15, wherein the external device is an external storing media (0007-0008).

***Allowable Subject Matter***

3. Claims 6-10, are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claims 6, the present application teaches a multi-functional mobile terminal providing a phone function comprising a personal information module and a mobile terminal module, a module selector which controls power supply operation, and is position exterior to both modules such that it operates independent of both modules and selectively provides the power supply signal to either module power supply controller receives a power as specifically mention on claim 6.

The closest prior art to the present application such as Kim et al. (US publication 2004/0121802) teaches a multi-functional mobile terminal providing a phone function

comprises a personal information module and a mobile terminal module, a module selector which controls power supply operation. Kim et al. does not teach that the mobile terminal comprises a selector module which is position exterior to both modules such that it operates independent of both modules and selectively provides the power supply signal to either module power supply controller receives a power as specifically mention on claim 6.

The following is an examiner's statement of reasons for allowance:.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Response to Arguments***

4. Applicant's arguments filed 12/27/05 have been fully considered but they are not persuasive.

In response to the applicant's argument that "*Kim (0121802) does not mention a first display fro displaying status information from a PITM and a second display for executing a corresponding operation according to prescribed command received from the PITM*"

The Examiner asserts that the applicant mentioned these the mobile phone module 20 includes a sub-microcomputer (Sub-MICOM) 22 for controlling overall operations of the mobile phone functions. The PDA module 30 includes a main microcomputer (Main-MICOM) 34 for controlling overall operations of the PDA functions. The PDA module 30 further includes an LCD (Liquid Crystal Display) 32 for

displaying operation states of the multi-functional mobile terminal 10. A representative example of the sub-MICOM 22 is an MSM (Mobile Station Modem) manufactured by Qualcomm Company, and a representative example of the Main-MICOM 34 is the 'Dragoon boll' manufactured by the Palm Company. The sub-MICOM 22 and the main-MICOM 34 are interconnected over an interface 42, and thereby mutually controlled via the interface 42. The main-MICOM 34 senses an operation status of the PDA module 30 and an operation status transmitted from the sub-MICOM 22 of the mobile phone module 20, and displays the operation statuses on the LCD 32. The multi-functional mobile terminal 10 further includes a power-supply unit 40 for selectively providing a power-supply voltage for either the mobile phone module 20 or the PDA module 30 according to the type of entry signal. Therefore, if a user only wants to use functions of the mobile phone module 20 in the multi-functional mobile terminal 10, the power-supply unit 40 provides only the mobile phone module 20 with a power-supply voltage by the use of a power-supply selection switch (not shown) mounted on the multi-functional mobile terminal 10 (0007, 0008). Otherwise, if the user only wants to use functions of the PDA module 30 in the multi-functional mobile terminal 10, the power-supply unit 40 provides only the PDA module 30 with a power-supply voltage by the use of such a power-supply selection switch (not shown).

### Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

**6. Any responses to this action should be mailed to:**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naghmeh Mehrpour whose telephone number is 571-272-7913. The examiner can normally be reached on 8:00- 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold be reached (571) 272-7905.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.




Art Unit: 2617

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NM

July 3, 2006



MELODY HENTHORN  
PATENT EXAMINER